ELSEVIER

15 September 1999

Optics Communications 168 (1999) 493–499

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Author index to volume 168

Abdullaev, F.Kh., S.A. Darmanyan, A. Kobyakov, E. Schmidt and F. Lederer, Evolution of spatial solitons in quadratic media with fluctuating nonlinearity 168 (1999) 213
Ablitt, B., see Turpin, K. 168 (1999) 325
Ågren, H., see Norman, P. 168 (1999) 297
Al-Awfi, S., see Babiker, M. 168 (1999) 145
Asatryan, A.A., see McPhedran, R.C. 168 (1999) 47
Atutov, S.N., V. Biancalana, S. Brandt, R. Calabrese, P. Lenisa, E. Mariotti, L. Moi, K. Nasyrov, A.M. Shalagin and R. Wynands, Observation of sodium molecular formation induced by resonant laser atomic excitation and three-body collisions 168 (1999) 355

Babiker, M. and S. Al-Awfi, Light-induced rotational effects in atom guides 168 (1999) 145
Bajdecki, W.K., see Calero, L. 168 (1999) 201
Bao, X., see Smith, J. 168 (1999) 393
Barker, P.F., J.H. Grinstead and R.B. Miles, Single-pulse temperature measurement in supersonic air flow with predissociated laser-induced thermal gratings 168 (1999) 177
Bélanger, P.-A., see Paré, C. 168 (1999) 103
Bernini, U., P. Maddalena, E. Massera and A. Ramaglia, Thermal characterization of porous silicon via thermal wave interferometry 168 (1999) 305
Bertolotti, M., A. D'Andrea, E. Fazio, M. Zitelli, A. Carrera, G. Chiaretti and N.G. Sanvito, Experimental observation of spatial soliton dragging in a planar glass waveguide 168 (1999) 399
Bertolotti, M., see Garzia, F. 168 (1999) 277
Biancalana, V., see Atutov, S.N. 168 (1999) 355
Bindra, K.S., S.M. Oak and K.C. Rustagi, Intensity dependence of Z-scan in semiconductor-doped glasses for separation of third and fifth order contributions in the below band gap region 168 (1999) 219
Biswas, J.C., see Ganguly, P. 168 (1999) 349
Blow, K.J., see Poustie, A.J. 168 (1999) 89
Bolognini, N., see Toro, L.A. 168 (1999) 55
Botten, L.C., see McPhedran, R.C. 168 (1999) 47
Brandt, S., see Atutov, S.N. 168 (1999) 355
Bretenaker, F., see Vallet, M. 168 (1999) 423
Brown, A., see Smith, J. 168 (1999) 393
Brun, G., I. Verrier, D. Troadec, C. Veillas and J.P. Goure, Low coherence interferometric technique for detection of transparent objects in turbid media 168 (1999) 261

0030-4018/99/$ - see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0030-4018(99)00444-7

Calabrese, R., see Atutov, S.N. 168 (1999) 355
Calero, L., W.K. Bajdecki and R. Meucci, Reorientation effect induced by a CW CO_2 laser in nematic liquid crystal 168 (1999) 201
Cao, M., see Luo, F. 168 (1999) 65
Caps, R., see Manara, J. 168 (1999) 237
Carrera, A., see Bertolotti, M. 168 (1999) 399
Chang, C.-H., see Chen, Y.-K. 168 (1999) 467
Chang, P.C.Y., see Turpin, K. 168 (1999) 325
Chen, H., see Lu, J. 168 (1999) 405
Chen, W.Z., see Zhang, D.Y. 168 (1999) 111
Chen, X., see Xiao, M. 168 (1999) 25
Chen, Y.-K., T.-C. Liang and C.-H. Chang, Optimum configuration for high-power low-noise-figure erbium-doped fiber amplifiers for lightwave CATV applications 168 (1999) 467
Chen, Z. and M.A. Karim, Speed limitation of hybrid optical/digital sequential image processing 168 (1999) 75
Cheng, L.M., see Luo, F. 168 (1999) 65
Chi, L.C., see Hsu, L. 168 (1999) 195
Chiaretti, G., see Bertolotti, M. 168 (1999) 399
Chiou, A., see Tsai, J. 168 (1999) 417
Cho, S.-H., H. Kumagai, K. Midorikawa and M. Obara, Fabrication of double cladding structure in optical multimode fibers using plasma channeling excited by a high-intensity femtosecond laser 168 (1999) 287
Chung, P.S., see Man, S.Q. 168 (1999) 369
Colombeau, B., see Grossard, L. 168 (1999) 315

D'Andrea, A., see Bertolotti, M. 168 (1999) 399
Darmanyan, S.A., see Abdullaev, F.Kh. 168 (1999) 213
Das, S., see Ganguly, P. 168 (1999) 349
DeMerchant, M., see Smith, J. 168 (1999) 393
Deng, X., X. Zhang, Y. Wang, Y. Song, S. Liu and C. Li, Intensity threshold in the conversion from reverse saturable absorption to saturable absorption and its application in optical limiting 168 (1999) 207
Descamps, D., C. Gamache, D. Husson and A. Migus, Excited state absorption at 1.06 μm as the origin of non-unity quantum yield in neodymium doped glasses 168 (1999) 123
Desfarges-Berthelemot, A., see Grossard, L. 168 (1999) 315
De Sterke, C.M., see McPhedran, R.C. 168 (1999) 47
Di Francia, G., see Lettieri, S. 168 (1999) 383
Duan, C., see Song, Y. 168 (1999) 131
Dung, N.D. and L. Lis, Saturation and transparency 168 (1999) 151

Fang, G., see Song, Y. 168 (1999) 131
Fazio, E., see Bertolotti, M. 168 (1999) 399
Fiore, O., see Lettieri, S. 168 (1999) 383
Fricke, J., see Manara, J. 168 (1999) 237
Froehly, C., see Grossard, L. 168 (1999) 315
Futian, L., see Wenzong, Q. 168 (1999) 7

Gamache, C., see Descamps, D. 168 (1999) 123
Ganguly, P., J.C. Biswas, S. Das and S.K. Lahiri, A three-waveguide polarization independent power splitter on lithium niobate substrate 168 (1999) 349
Garzia, F., C. Sibilia and M. Bertolotti, All-optical soliton based router 168 (1999) 277
Gbur, G. and E. Wolf, Determination of density correlation functions from scattering of polychromatic light 168 (1999) 39
Gianino, P.D., see Khoury, J. 168 (1999) 337
Goure, J.P., see Brun, G. 168 (1999) 261
Granieri, S., see Ruiz, B. 168 (1999) 157
Grinstead, J.H., see Barker, P.F. 168 (1999) 177
Grossard, L., A. Desfarges-Berthelemot, B. Colombeau, V. Kermène, M. Vampouille, C. Froehly and K. Saouchi, Temporal statistics of the light emitted by a bi-axial laser resonator 168 (1999) 315
Gustafsson, U., see Sandsten, J. 168 (1999) 17

Harato, Y., see Ono, H. 168 (1999) 251
Healy, S.B., see Janulewicz, K.A. 168 (1999) 183
Herminghaus, S., see Kreiter, M. 168 (1999) 117
Hirao, K., see Nouchi, K. 168 (1999) 233
Hopcraft, K.I., see Turpin, K. 168 (1999) 325
Horowicz, R.J., see Olsen, M.K. 168 (1999) 135
Hou, C., see Zhou, Z. 168 (1999) 409
Hsieh, T.-C., see Tsai, J. 168 (1999) 417
Hsieh, W.-F., see Wei, M.-D. 168 (1999) 161
Hsu, K., see Tsai, J. 168 (1999) 417
Hsu, L., L.C. Chi, S.C. Wang and C.-L. Pan, Frequency tracking and stabilization of a tunable dual-wavelength external-cavity diode laser 168 (1999) 195
Huang, C.H., see Zhang, D.Y. 168 (1999) 111
Husson, D., see Descamps, D. 168 (1999) 123

Jackson, D.A., see Lecœuche, V. 168 (1999) 95
Jakeman, E., see Turpin, K. 168 (1999) 325
Janulewicz, K.A., S.B. Healy, M.P. Kalachnikov, P.J. Warwick, P.V. Nickles, W. Sandner and G.J. Pert, Influence of pump pulse parameters on the collisionally pumped germanium X-ray laser in the transient gain regime 168 (1999) 183
Jiang, M., see Lu, J. 168 (1999) 405
Jiang, Y., see Zhou, Z. 168 (1999) 409

Kalachnikov, M.P., see Janulewicz, K.A. 168 (1999) 183
Kalashnikov, V.L., see Poloyko, I.G. 168 (1999) 167
Karim, M.A., see Chen, Z. 168 (1999) 75
Kelly, A.E., see Poustie, A.J. 168 (1999) 89
Kermène, V., see Grossard, L. 168 (1999) 315
Khoury, J., P.D. Gianino and C.L. Woods, Optimal correlation filter algorithms for holographically stored multiplexed filters 168 (1999) 337
Knoll, W., see Kreiter, M. 168 (1999) 117
Kobyakov, A., see Abdullaev, F.Kh. 168 (1999) 213

Kong, M.G., see Zhong, X. 168 (1999) 375
Kreiter, M., J. Oster, R. Sambles, S. Herminghaus, S. Mittler-Neher and W. Knoll, Thermally induced emission of light from a metallic diffraction grating, mediated by surface plasmons 168 (1999) 117
Krommendijk, F.N., see Veldhuis, G.J. 168 (1999) 481
Kumagai, H., see Cho, S.-H. 168 (1999) 287
Kurbasov, S.V. and L.L. Losev, Raman compression of picosecond microjoule laser pulses in $KGd(WO_4)_2$ crystal 168 (1999) 227

La Ferrara, V., see Lettieri, S. 168 (1999) 383
Lahiri, S.K., see Ganguly, P. 168 (1999) 349
Lakhtakia, A. and M. McCall, Sculptured thin films as ultranarrow-bandpass circular-polarization filters 168 (1999) 457
Lambeck, P.V., see Veldhuis, G.J. 168 (1999) 481
Lecœuche, V., D.J. Webb, C.N. Pannell and D.A. Jackson, 25 km Brillouin based single-ended distributed fibre sensor for threshold detection of temperature or strain 168 (1999) 95
Lederer, F., see Abdullaev, F.Kh. 168 (1999) 213
Le Floch, A., see Vallet, M. 168 (1999) 423
Le Naour, R., see Vallet, M. 168 (1999) 423
Lenisa, P., see Atutov, S.N. 168 (1999) 355
Lettieri, S., O. Fiore, P. Maddalena, D. Ninno, G. Di Francia and V. La Ferrara, Nonlinear optical refraction of free-standing porous silicon layers 168 (1999) 383
Li, C., see Deng, X. 168 (1999) 207
Li, G., see Lu, J. 168 (1999) 405
Li, J., see Yin, S. 168 (1999) 1
Li, Y., see Zhou, Z. 168 (1999) 409
Liang, J.K., see Zhang, D.Y. 168 (1999) 111
Liang, T.-C., see Chen, Y.-K. 168 (1999) 467
Lin, W.X., see Zhang, D.Y. 168 (1999) 111
Lis, L., see Dung, N.D. 168 (1999) 151
Liu, J., see Lu, J. 168 (1999) 405
Liu, L., see Zhou, C. 168 (1999) 445
Liu, S., see Deng, X. 168 (1999) 207
Liu, S., see Song, Y. 168 (1999) 131
Liu, W., see Zhang, D.Y. 168 (1999) 111
Losev, L.L., see Kurbasov, S.V. 168 (1999) 227
Lu, J., G. Li, J. Liu, S. Zhang, H. Chen, M. Jiang and Z. Shao, Second harmonic generation and self-frequency doubling performance in $Nd:GdCa_4O(BO_3)_3$ crystal 168 (1999) 405
Luo, F., M. Cao, K.W. Wong and L.M. Cheng, Optoelectronic recirculating implementation of crossover interconnection network based on CMOS/SEED smart pixel technology 168 (1999) 65
Luo, Y., see Norman, P. 168 (1999) 297

Maddalena, P., see Bernini, U. 168 (1999) 305
Maddalena, P., see Lettieri, S. 168 (1999) 383
Man, S.Q., E.Y.B. Pun and P.S. Chung, Tellurite glasses for 1.3 μm optical amplifiers 168 (1999) 369

Manara, J., R. Caps, F. Raether and J. Fricke, Characterization of the pore structure of alumina ceramics by diffuse radiation propagation in the near infrared 168 (1999) 237
Manning, R.J., see Poustie, A.J. 168 (1999) 89
Mariotti, E., see Atutov, S.N. 168 (1999) 355
Massera, E., see Bernini, U. 168 (1999) 305
McCall, M., see Lakhtakia, A. 168 (1999) 457
McPhedran, R.C., N.A. Nicorovici, L.C. Botten, C.M. de Sterke, P.A. Robinson and A.A. Asatryan, Anomalous absorptance by stacked metallic cylinders 168 (1999) 47
Meucci, R., see Calero, L. 168 (1999) 201
Midorikawa, K., see Cho, S.-H. 168 (1999) 287
Migus, A., see Descamps, D. 168 (1999) 123
Miles, R.B., see Barker, P.F. 168 (1999) 177
Mitsuyu, T., see Nouchi, K. 168 (1999) 233
Mittler-Neher, S., see Kreiter, M. 168 (1999) 117
Moi, L., see Atutov, S.N. 168 (1999) 355
Muta, K., see Nouchi, K. 168 (1999) 233

Nasyrov, K., see Atutov, S.N. 168 (1999) 355
Nickles, P.V., see Janulewicz, K.A. 168 (1999) 183
Nicorovici, N.A., see McPhedran, R.C. 168 (1999) 47
Ninno, D., see Lettieri, S. 168 (1999) 383
Norman, P., Y. Luo and H. Ågren, Two-photon absorption in five-membered heteroaromatic oligomers 168 (1999) 297
Nouchi, K., T. Mitsuyu, K. Hirao, M. Watanabe and K. Muta, Room-temperature persistent spectral hole burning of Sm^{2+} in silica-based fibers 168 (1999) 233

Oak, S.M., see Bindra, K.S. 168 (1999) 219
Obara, M., see Cho, S.-H. 168 (1999) 287
Oger, M., see Vallet, M. 168 (1999) 423
Olsen, M.K. and R.J. Horowicz, Squeezing in the sum and difference fields in second harmonic generation 168 (1999) 135
Ono, H. and Y. Harato, Anisotropic diffraction pattern formation from guest host liquid crystals 168 (1999) 251
Oster, J., see Kreiter, M. 168 (1999) 117

Pan, C.-L., see Hsu, L. 168 (1999) 195
Pannell, C.N., see Lecœuche, V. 168 (1999) 95
Paré, C. and P.-A. Bélanger, Antisymmetric soliton in a dispersion-managed system 168 (1999) 103
Pert, G.J., see Janulewicz, K.A. 168 (1999) 183
Poloyko, I.G. and V.L. Kalashnikov, Semiconductor saturable absorber mirrors as mode-locking device for femtosecond lasers: nonlinear Fabry–Perot resonator approach 168 (1999) 167
Poustie, A.J., K.J. Blow, A.E. Kelly and R.J. Manning, All-optical full adder with bit-differential delay 168 (1999) 89
Pun, E.Y.B., see Man, S.Q. 168 (1999) 369

Rabal, H., see Ruiz, B. 168 (1999) 157
Raether, F., see Manara, J. 168 (1999) 237

Ramaglia, A., see Bernini, U. 168 (1999) 305
Robinson, P.A., see McPhedran, R.C. 168 (1999) 47
Ruiz, B., S. Granieri and H. Rabal, Parity and the self-imaging phenomenon 168 (1999) 157
Ruppin, R., Effects of high-order multipoles on the extinction spectra of dispersive bispheres 168 (1999) 35
Rustagi, K.C., see Bindra, K.S. 168 (1999) 219

Sambles, R., see Kreiter, M. 168 (1999) 117
Sandner, W., see Janulewicz, K.A. 168 (1999) 183
Sandsten, J., U. Gustafsson and G. Somesfalean, Single aerosol particle sizing and identification using a coupled-cavity diode laser 168 (1999) 17
Sanvito, N.G., see Bertolotti, M. 168 (1999) 399
Saouchi, K., see Grossard, L. 168 (1999) 315
Schmidt, E., see Abdullaev, F.Kh. 168 (1999) 213
Shalagin, A.M., see Atutov, S.N. 168 (1999) 355
Shao, Z., see Lu, J. 168 (1999) 405
Shen, H.Y., see Zhang, D.Y. 168 (1999) 111
Sibilia, C., see Garzia, F. 168 (1999) 277
Smith, J., A. Brown, M. DeMerchant and X. Bao, Pulse width dependance of the Brillouin loss spectrum 168 (1999) 393
Somesfalean, G., see Sandsten, J. 168 (1999) 17
Song, M., see Yin, S. 168 (1999) 1
Song, Y., C. Zhang, Y. Wang, G. Fang, C. Duan, S. Liu, X. Xin and H. Ye, Optical nonlinearity and optical limiting properties of new metal cluster $[WOS_3Cu_3I(2\text{-}MePy)_3]$ 168 (1999) 131
Song, Y., see Deng, X. 168 (1999) 207
Sun, X., see Zhou, Z. 168 (1999) 409

Tebaldi, M., see Toro, L.A. 168 (1999) 55
Toro, L.A., M. Tebaldi, M. Trivi and N. Bolognini, Optical operations based on speckle modulation by using a photorefractive crystal 168 (1999) 55
Trivi, M., see Toro, L.A. 168 (1999) 55
Troadec, D., see Brun, G. 168 (1999) 261
Tsai, J., A. Chiou, T.-C. Hsieh and K. Hsu, The self-defocusing of a diffraction beam in a photorefractive crystal and its application in a Fourier plane multiple beam splitter 168 (1999) 417
Turpin, K., J.G. Walker, P.C.Y. Chang, K.I. Hopcraft, B. Ablitt and E. Jakeman, The influence of particle size in active polarization imaging in scattering media 168 (1999) 325

Vallet, M., F. Bretenaker, A. Le Floch, R. Le Naour and M. Oger, The Malus Fabry–Perot interferometer 168 (1999) 423
Vampouille, M., see Grossard, L. 168 (1999) 315
Veillas, C., see Brun, G. 168 (1999) 261
Veldhuis, G.J., F.N. Krommendijk and P.V. Lambeck, Integrated optic intensity modulator based on a bent channel waveguide 168 (1999) 481
Verrier, I., see Brun, G. 168 (1999) 261

Walker, J.G., see Turpin, K. 168 (1999) 325
Wang, S.C., see Hsu, L. 168 (1999) 195

Wang, Y., see Deng, X. 168 (1999) 207
Wang, Y., see Song, Y. 168 (1999) 131
Warwick, P.J., see Janulewicz, K.A. 168 (1999) 183
Watanabe, M., see Nouchi, K. 168 (1999) 233
Webb, D.J., see Lecœuche, V. 168 (1999) 95
Wei, M.-D. and W.-F. Hsieh, Bifurcation of fundamental Gaussian modes in Kerr-lens mode-locked lasers 168 (1999) 161
Wenzong, Q. and L. Futian, An equivalent field principle and the multiple Kirchhoff integral method for UV blazed gratings 168 (1999) 7
Wolf, E., see Gbur, G. 168 (1999) 39
Wong, K.W., see Luo, F. 168 (1999) 65
Woods, C.L., see Khoury, J. 168 (1999) 337
Wynands, R., see Atutov, S.N. 168 (1999) 355

Xiao, M. and X. Chen, Numerical comparison between constant-height and constant-intensity images in scanning near field optical microscopy 168 (1999) 25
Xin, X., see Song, Y. 168 (1999) 131

Ye, H., see Song, Y. 168 (1999) 131
Yin, S., J. Li and M. Song, Surface profile measurement using a unique microtube-based system 168 (1999) 1

Zeng, R.R., see Zhang, D.Y. 168 (1999) 111
Zhang, C., see Song, Y. 168 (1999) 131
Zhang, D.Y., H.Y. Shen, W. Liu, G.F. Zhang, W.Z. Chen, G. Zhang, R.R. Zeng, C.H. Huang, W.X. Lin and J.K. Liang, The expressions of the principal thermal refractive index coefficients of 7.5 mol.% Nb:$KTiOPO_4$ crystals 168 (1999) 111
Zhang, G., see Zhang, D.Y. 168 (1999) 111
Zhang, G.F., see Zhang, D.Y. 168 (1999) 111
Zhang, S., see Lu, J. 168 (1999) 405
Zhang, X., see Deng, X. 168 (1999) 207
Zhao, D., Multi-element resonators and scaled fractional Fourier transforms 168 (1999) 85
Zheng, S.-B., A simplified method to test the symmetrization postulate for photons 168 (1999) 363
Zhong, X. and M.G. Kong, Effects of non-resonant electron velocity components in a second harmonic waveguide free electron laser 168 (1999) 375
Zhou, C. and L. Liu, Vector-product Hopfield model 168 (1999) 445
Zhou, Z., Y. Li, Y. Jiang, C. Hou and X. Sun, Perturbative analysis of photorefractive fundamental space-charge field with phase modulation at large modulation depths 168 (1999) 409
Zitelli, M., see Bertolotti, M. 168 (1999) 399

ELSEVIER

15 September 1999

Optics Communications 168 (1999) 501–504

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 168

Propagation and scattering

S. Yin, J. Li and M. Song, Surface profile measurement using a unique microtube-based system 1

Q. Wenzong and L. Futian, An equivalent field principle and the multiple Kirchhoff integral method for UV blazed gratings 7

J. Sandsten, U. Gustafsson and G. Somesfalean, Single aerosol particle sizing and identification using a coupled-cavity diode laser 17

M. Xiao and X. Chen, Numerical comparison between constant-height and constant-intensity images in scanning near field optical microscopy 25

R. Ruppin, Effects of high-order multipoles on the extinction spectra of dispersive bispheres 35

G. Gbur and E. Wolf, Determination of density correlation functions from scattering of polychromatic light 39

R.C. McPhedran, N.A. Nicorovici, L.C. Botten, C.M. de Sterke, P.A. Robinson and A.A. Asatryan, Anomalous absorptance by stacked metallic cylinders 47

J. Manara, R. Caps, F. Raether and J. Fricke, Characterization of the pore structure of alumina ceramics by diffuse radiation propagation in the near infrared 237

H. Ono and Y. Harato, Anisotropic diffraction pattern formation from guest host liquid crystals 251

K. Turpin, J.G. Walker, P.C.Y. Chang, K.I. Hopcraft, B. Ablitt and E. Jakeman, The influence of particle size in active polarization imaging in scattering media 325

M. Vallet, F. Bretenaker, A. Le Floch, R. Le Naour and M. Oger, The Malus Fabry–Perot interferometer 423

Optical information, image formation and analysis, optical computing

L.A. Toro, M. Tebaldi, M. Trivi and N. Bolognini, Optical operations based on speckle modulation by using a photorefractive crystal 55

0030-4018/99/$ - see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0030-4018(99)00445-9

F. Luo, M. Cao, K.W. Wong and L.M. Cheng, Optoelectronic recirculating implementation of crossover interconnection network based on CMOS/SEED smart pixel technology 65

Z. Chen and M.A. Karim, Speed limitation of hybrid optical/digital sequential image processing 75

D. Zhao, Multi-element resonators and scaled fractional Fourier transforms 85

A.J. Poustie, K.J. Blow, A.E. Kelly and R.J. Manning, All-optical full adder with bit-differential delay 89

V. Lecœuche, D.J. Webb, C.N. Pannell and D.A. Jackson, 25 km Brillouin based single-ended distributed fibre sensor for threshold detection of temperature or strain 95

G. Brun, I. Verrier, D. Troadec, C. Veillas and J.P. Goure, Low coherence interferometric technique for detection of transparent objects in turbid media 261

J. Khoury, P.D. Gianino and C.L. Woods, Optimal correlation filter algorithms for holographically stored multiplexed filters 337

J.P. Chen, X.W. Ni, J. Lu and B.M. Bian, Instantaneous measurements of laser-induced plasma shock waves with an optical fiber sensor 343

C. Zhou and L. Liu, Vector-product Hopfield model 445

A. Lakhtakia and M. McCall, Sculptured thin films as ultranarrow-bandpass circular-polarization filters 457

Optical communications

C. Paré and P.-A. Bélanger, Antisymmetric soliton in a dispersion-managed system 103

F. Garzia, C. Sibilia and M. Bertolotti, All-optical soliton based router 277

S.-H. Cho, H. Kumagai, K. Midorikawa and M. Obara, Fabrication of double cladding structure in optical multimode fibers using plasma channeling excited by a high-intensity femtosecond laser 287

P. Ganguly, J.C. Biswas, S. Das and S.K. Lahiri, A three-waveguide polarization independent power splitter on lithium niobate substrate 349

Y.-K. Chen, T.-C. Liang and C.-H. Chang, Optimum configuration for high-power low-noise-figure erbium-doped fiber amplifiers for lightwave CATV applications 467

G.J. Veldhuis, F.N. Krommendijk and P.V. Lambeck, Integrated optic intensity modulator based on a bent channel waveguide 481

Atomic and molecular physics

D.Y. Zhang, H.Y. Shen, W. Liu, G.F. Zhang, W.Z. Chen, G. Zhang, R.R. Zeng, C.H. Huang, W.X. Lin and J.K. Liang, The expressions of the principal thermal refractive index coefficients of 7.5 mol.% Nb:$KTiOPO_4$ crystals 111

S.N. Atutov, V. Biancalana, S. Brandt, R. Calabrese, P. Lenisa, E. Mariotti, L. Moi, K. Nasyrov, A.M. Shalagin and R. Wynands, Observation of sodium molecular formation induced by resonant laser atomic excitation and three-body collisions 355

Condensed matter

M. Kreiter, J. Oster, R. Sambles, S. Herminghaus, S. Mittler-Neher and W. Knoll, Thermally induced emission of light from a metallic diffraction grating, mediated by surface plasmons 117

D. Descamps, C. Gamache, D. Husson and A. Migus, Excited state absorption at 1.06 μm as the origin of non-unity quantum yield in neodymium doped glasses 123

Y. Song, C. Zhang, Y. Wang, G. Fang, C. Duan, S. Liu, X. Xin and H. Ye, Optical nonlinearity and optical limiting properties of new metal cluster $[WOS_3Cu_3I(2\text{-}MePy)_3]$ 131

P. Norman, Y. Luo and H. Ågren, Two-photon absorption in five-membered heteroaromatic oligomers 297

U. Bernini, P. Maddalena, E. Massera and A. Ramaglia, Thermal characterization of porous silicon via thermal wave interferometry 305

Quantum optics

M.K. Olsen and R.J. Horowicz, Squeezing in the sum and difference fields in second harmonic generation 135

M. Babiker and S. Al-Awfi, Light-induced rotational effects in atom guides 145

S.-B. Zheng, A simplified method to test the symmetrization postulate for photons 363

Laser physics and laser sources

N.D. Dung and L. Lis, Saturation and transparency 151

B. Ruiz, S. Granieri and H. Rabal, Parity and the self-imaging phenomenon 157

M.-D. Wei and W.-F. Hsieh, Bifurcation of fundamental Gaussian modes in Kerr-lens mode-locked lasers 161

I.G. Poloyko and V.L. Kalashnikov, Semiconductor saturable absorber mirrors as mode-locking device for femtosecond lasers: nonlinear Fabry–Perot resonator approach 167

P.F. Barker, J.H. Grinstead and R.B. Miles, Single-pulse temperature measurement in supersonic air flow with predissociated laser-induced thermal gratings 177

K.A. Janulewicz, S.B. Healy, M.P. Kalachnikov, P.J. Warwick, P.V. Nickles, W. Sandner and G.J. Pert, Influence of pump pulse parameters on the collisionally pumped germanium X-ray laser in the transient gain regime 183

L. Hsu, L.C. Chi, S.C. Wang and C.-L. Pan, Frequency tracking and stabilization of a tunable dual-wavelength external-cavity diode laser 195

L. Calero, W.K. Bajdecki and R. Meucci, Reorientation effect induced by a CW CO_2 laser in nematic liquid crystal 201

L. Grossard, A. Desfarges-Berthelemot, B. Colombeau, V. Kermène, M. Vampouille, C. Froehly and K. Saouchi, Temporal statistics of the light emitted by a bi-axial laser resonator 315

S.Q. Man, E.Y.B. Pun and P.S. Chung, Tellurite glasses for 1.3 μm optical amplifiers 369

X. Zhong and M.G. Kong, Effects of non-resonant electron velocity components in a second harmonic waveguide free electron laser 375

Nonlinear optics

X. Deng, X. Zhang, Y. Wang, Y. Song, S. Liu and C. Li, Intensity threshold in the conversion from reverse saturable absorption to saturable absorption and its application in optical limiting 207

F.Kh. Abdullaev, S.A. Darmanyan, A. Kobyakov, E. Schmidt and F. Lederer, Evolution of spatial solitons in quadratic media with fluctuating nonlinearity 213

K.S. Bindra, S.M. Oak and K.C. Rustagi, Intensity dependence of Z-scan in semiconductor-doped glasses for separation of third and fifth order contributions in the below band gap region 219

S.V. Kurbasov and L.L. Losev, Raman compression of picosecond microjoule laser pulses in $KGd(WO_4)_2$ crystal 227

K. Nouchi, T. Mitsuyu, K. Hirao, M. Watanabe and K. Muta, Room-temperature persistent spectral hole burning of Sm^{2+} in silica-based fibers 233

S. Lettieri, O. Fiore, P. Maddalena, D. Ninno, G. Di Francia and V. La Ferrara, Nonlinear optical refraction of free-standing porous silicon layers 383

J. Smith, A. Brown, M. DeMerchant and X. Bao, Pulse width dependance of the Brillouin loss spectrum 393

M. Bertolotti, A. D'Andrea, E. Fazio, M. Zitelli, A. Carrera, G. Chiaretti and N.G. Sanvito, Experimental observation of spatial soliton dragging in a planar glass waveguide 399

J. Lu, G. Li, J. Liu, S. Zhang, H. Chen, M. Jiang and Z. Shao, Second harmonic generation and self-frequency doubling performance in $Nd:GdCa_4O(BO_3)_3$ crystal 405

Z. Zhou, Y. Li, Y. Jiang, C. Hou and X. Sun, Perturbative analysis of photorefractive fundamental space-charge field with phase modulation at large modulation depths 409

J. Tsai, A. Chiou, T.-C. Hsieh and K. Hsu, The self-defocusing of a diffraction beam in a photorefractive crystal and its application in a Fourier plane multiple beam splitter 417

Author index 493

Subject index 501

Forthcoming Meetings with ICO Participation